

CLAIMS

WHAT IS CLAIMED IS:

1. An intelligent docking station, comprising:

a co-processor capable of converting a hand held-based data
element into a device enabled data element;

a bus interface coupled to the co-processor; and

a port coupled to the co-processor.

2. The intelligent docking station of claim 1 further comprising a
logic coupled between the co-processor and the port.

3. The intelligent docking station of claim 1 wherein the logic is a
modem.

4. The intelligent docking station of claim 1 wherein the co-processor
has a top-level device driver therein.

5. The intelligent docking station of claim 1 wherein the co-processor has a low-level device driver therein.

6. The intelligent docking station of claim 1 further comprising a communication driver coupled between the bus interface and the co-processor.

7. The intelligent docking station of claim 1 further comprising a device co-located within the IDS.

8. The intelligent docking station of claim 1 further comprising a handheld computer coupled to the bus interface.

9. The intelligent docking station of claim 1 further comprising a device coupled to the port.

10. The intelligent docking station of claim 9 wherein the device is a keyboard.

11. The intelligent docking station of claim 9 wherein the device is a monitor.

12. The intelligent docking station of claim 9 wherein the device is memory.

13. The intelligent docking station of claim 8 wherein the handheld computer is coupled to the bus interface via a wireless connection.

14. A handheld computer device capable of communication with an IDS, comprising:

a bus;

a communication driver coupled between the bus and a top-level device driver; and

a handheld device operating system in communication with the top-level device driver.

15. The device of claim 14 wherein the top-level device driver is a keyboard driver.

16. The device of claim 14 wherein the top-level device driver is a display driver.

17. The device of claim 14 wherein the top-level device driver drives a device capable of being driven by an IDS in communication with the handheld computer.

18. A data storage device that maintains a method of transferring a data element from a device to a handheld computer, the method comprising:

receiving a device-based data element at a docking station based co-processor;

performing a driver conversion to convert the device-based data element into a bus-enabled data element; and

placing the bus-enabled data element on a handheld compatible bus.